



FORESTRY DIVISION

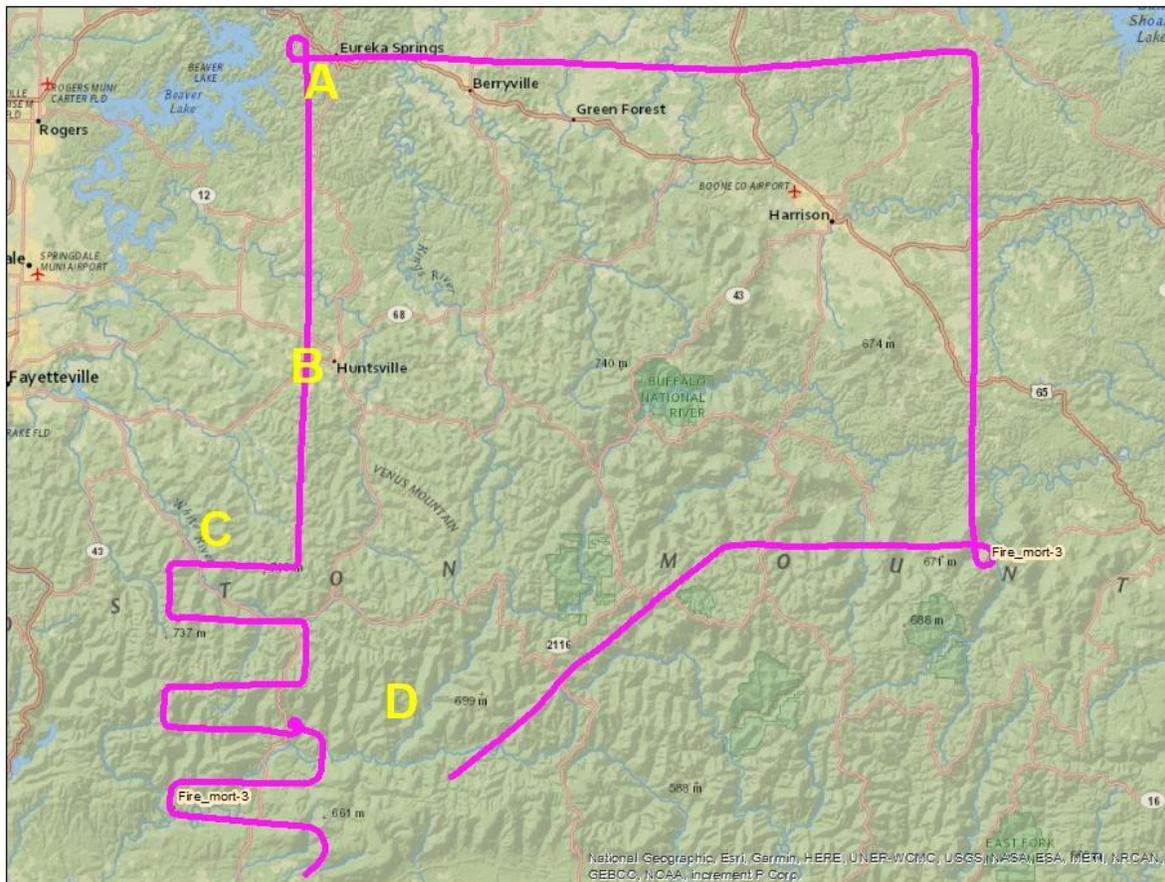
Forest Health Monitoring Program Report May 6, 2021

This report is intended to share information to forest land managers about forest health damages observed by the Arkansas Department of Agriculture Forestry Division– Forest Health Monitoring Program. Staff conduct aerial surveys annually to detect or monitor forest threats. The areas selected in this report may or may not have been ground-checked; please use this information to aid your forest management operations. Please contact me if you require more information or need my assistance.

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On April 30, 2021, an aerial survey was conducted to observe freeze damage and delayed leaf out in Northwest Arkansas. The freezing event occurred from April 20 to 22. In all areas flown, lower valleys exhibited freeze damage and an observable delayed leaf-out. Damage to the acorn crop is also suspected. Since damage could be seen over all counties flown, no spatial data was collected with Digital Mobile Sketch Mapper. Photos are shown after the flightpath map below:

Frost Damages in Northwest Arkansas



Eureka Springs



Huntsville



Elkins



C

Ozark



D

Below is an image from the Sentinel II satellite (taken in early May) over Devil's Den State Park showing areas of freeze damage as a brown color.



Lastly, here is a photograph taken within Newton County where a clear elevation line separates the damaged and healthy crowns.

